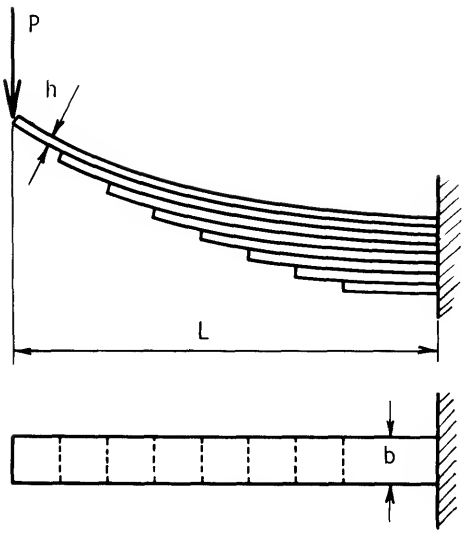

Fig. 21.5 Multiple-leaf cantilever spring.

and the deflection in terms of stress becomes

$$y = \frac{SL^2}{Eh} \tag{21.20}$$

For the case of a multiple-leaf spring centrally loaded as a beam on simple supports, Fig. 21.6, the formulas are

$$y = \frac{3PL^3}{8Ebnh^3} \tag{21.21}$$

$$S = \frac{3PL}{2bnh^2} \tag{21.22}$$

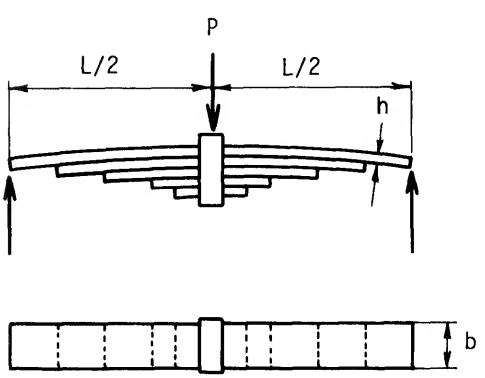

Fig. 21.6 Multiple-leaf symmetrical spring.